

NUCOR STEEL AUBURN, INC
AUBURN, NEW YORK

AT A GLANCE

Nucor Steel Auburn, Inc of Auburn, NY recycles steel scrap through an electric arc furnace and rolling mill to produce steel bars, rods, channels, angles, flats and rebar. The end products are recyclable and have post-consumer recycled content of greater than 98%. The Nucor facility won the New York Governor's Waste reduction & Recycling Award for recycling 95% of all wastes/materials generating from steel-making. The company also surpassed its improvement objective in 2000 by recycling 99% of its total solid waste.

Industry Sector:	Manufacturing
Business:	Recycle steel scrap to produce steel bars, rods, channels, angles, flats and rebar.
Employees:	100-499 employees
Accomplishments:	Reduced total solid waste Reduced hazardous solid waste
Commitments:	Increase recycled/reused materials Reduce emissions of particulate matter Reduce total solid waste Reduce total water use
Address:	25 Quarry Road Auburn NY 13021
Website:	www.nucor.com

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

Nucor has demonstrated its commitment to environmental performance in the areas of total solid waste and hazardous solid waste. Since 1998 the facility has:

- **Reduced total solid waste** by increasing its recycle rate from 95% to 99%. The company achieved this by recycling a greater percentage of certain waste streams and recycling new waste streams.
- **Reduced solid hazardous waste** by 10.7% by improving the method in which lime was added to the electric furnace in the recycling process. This improvement reduced the baghouse dust generation rate and minimized the company's consumption of lime.

Future commitments

Nucor also committed to continued environmental improvements in the areas of recycled/reused materials, particulate matter emissions, total solid waste and total water use. By 2005 the company will:

- **Increase recycled/reused materials** from a current absolute value of 0 to 500 tons by using scrap tires as an alternative carbon source for the electric furnace. This process will recover carbon from the tires, as well as recover their thermal value and steel content. In addition it will reduce the need for storage and disposal of the scrap tires.

- **Reduce emissions of particulate matter** by increasing the percentage of high truck traffic areas paved by 29%. The facility will make an effort to quantify the particulate improvement achieved by taking opacity observations under similar, dry conditions before and after these areas are paved.
- **Reduce total solid waste** by 13.7 % by maximizing the number and amounts of waste streams recycled.
- **Decrease total water use** by 5% through equipment upgrades and/or process and chemistry changes. These changes will improve the ration of gallons of city water used/ton of steel produced.

COMMUNITY OUTREACH

Nucor monitors community concerns through the media, participation in local, community and government organizations and by staying in close contact with local government leaders. Their process is documented in the company's EMS, environment Safety and Health Policy and elsewhere as appropriate. In addition, Nucor has a Public Outreach Program. Their Performance Track Annual Performance Report will be available on the company website, at open houses, and through community organizations in which Nucor participates.